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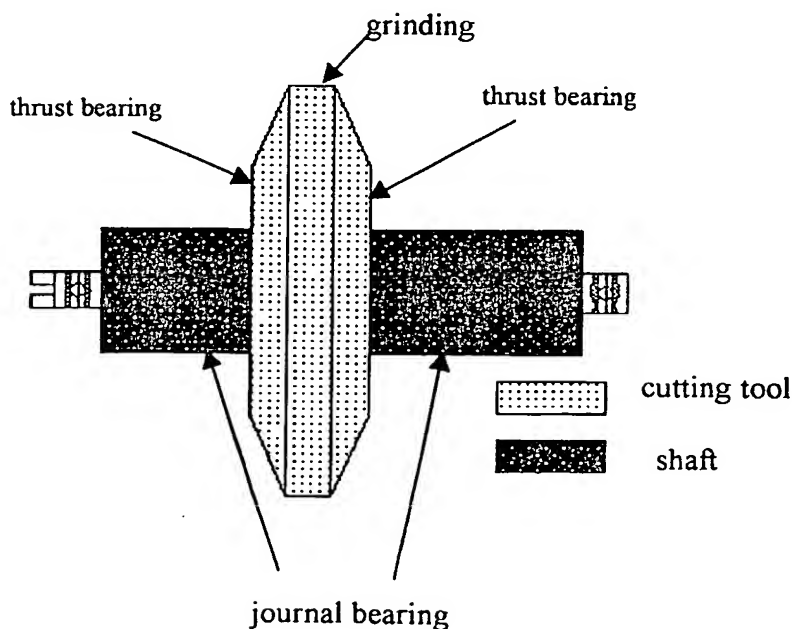
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(54) Title: A MONOLITHIC ROTATING TOOL



(57) **Abstract:** A solution is presented for high speed rotating devices, in particular cutting tools, whereby the said rotating device (1) is made monolithic with its shaft and the bearing system, needed to support it during rotation, uses the surfaces of the rotating device (1) as bearing surfaces. In the preferred embodiment, the fluid film bearing system includes two journal bearings (2,4) on both sides of the cutting tool and two thrust bearings (2,3), which use the faces of the cutting tool (1) as bearing surfaces

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